ARC MBR1400 Series

INTEGRATED MOBILE BROADBAND ROUTER

Wireless WAN connectivity for distributed business locations

WIRELESS WAN CONNECTIVITY

The CradlePoint MBR1400 Integrated Business Series Routers enable easy-to-install wireless connectivity in fixed-business locations. Ideal for distributed enterprises such as branch offices, retail POS locations, restaurants, and small businesses.

The MBR1400 provides wired Ethernet and 3G/4G wireless WAN connectivity to keep your business up and running.

BUSINESS CONTINUITY

As businesses increasingly move to cloud computing and are more heavily dependent on remote applications, reliable Internet connectivity becomes mission-critical for business success.

CradlePoint's Integrated Business Series Routers combine the power and flexibility of our flagship router with an embedded business-grade wireless WAN modem to provide a fully-integrated business continuity solution.

FLEXIBLITY

The integrated 3G/4G wireless modem can be used as failover for when the wired connection is disrupted, or as primary connect when wire-line is not available or impractical.

Create alternate networks, off the main corporate network, such as public WiFi to simplify PCI compliance, video surveillance, digital signs, kiosks, etc.

Load balance across the wired and wireless connections when additional bandwidth is required.

REMOTE MANAGEMENT, SERVICE AND SUPPORT

WiPipe Central Remote Management Portal enables remote configuration, network wide firmware updates and a variety of reporting and alerting capabilities to prevent overage charges.

In addition to the standard 1 year warranty, Standard and Proactive Enterprise Support Agreements are available.

ENTERPRISE PERFORMANCE

CradlePoint MBR1400 Integrated Business Series Routers offer the latest in high-speed 3G/4G wireless connectivity to deliver the continuous uptime and bandwidth needed to support growth in cloud computing and ensure against loss of productivity and business opportunity.

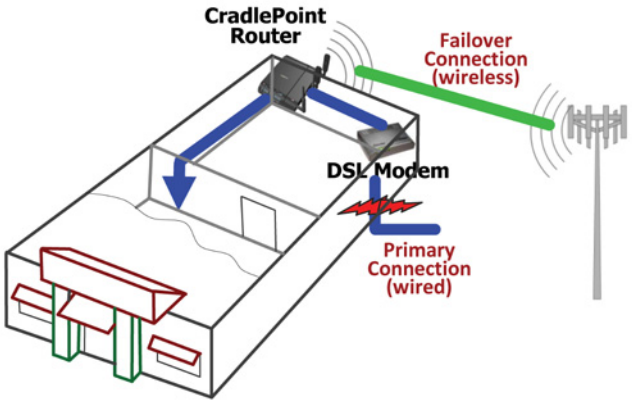
SECURE AND RELIABLE

LAN connections are protected with advanced WiFi encryption, LAN Segmentation, and vLAN capabilities.

Main office access and POS transactions are protected by VPN capability, and other security features to ensure your network stays secure.

Designed for PCI compliant network architectures.

Engineered for day-in, day-out 24/7 Internet connectivity, the Integrated Business Series Routers ensure reliable connections when you need them.



cradlepoint

ARC MBR1400 Series
INTEGRATED MOBILE BROADBAND ROUTER

USAT
MOBILIZE YOUR ENTERPRISE™ WWW.USATCORP.COM

ARC MBR1400 Series
INTEGRATED MOBILE BROADBAND ROUTER

Key Features and Benefits

Internet Access and Device Connectivity

Integrated high-speed 3G/4G modem
•Verizon 4G LTE / 3G EVDO
•Verizon 3G EVDO
•Sprint 4G Wimax
•Sprint 3G EVDO

5 Ethernet 10/100/1000 LAN/WAN ports for Ethernet-Enabled devices or landline Internet

Wireless LAN - WiFi (802.11 a/b/g/n) Supports up to 128 connections at a time

Business Continuity: Failover/Failback

Automatic failover to Wireless WAN connection when wired WAN disruption occurs, automatic failback when wired WAN connection is restored

Load balancing across multiple wired and wireless WANs for more bandwidth

Proactive alerts when failover occurs through WiPipe Central™

Flexibility

Remote management with WiPipe™ Central, SNMP v1,2,3 or CLI over SSH

Four SSIDs, with individual security & QoS settings, separate critical traffic or create a public WiFi hotspot

Create a WiFi hotspot with a captive portal (terms of service, ads, etc).

"WiFi-as-WAN" mode enables use as a WiFi repeater, WiFi Bridge or as a WiFi-to-Ethernet adapter for Ethernet-enabled devices

Multiple Ethernet ports can be configured to "WAN Mode" to provide wireless and wired failover and load balancing

Data usage management and alerts to monitor data usage and avoid overages

Serial console available to control another attached device (USB to Serial)

Security

IPsec VPN (Up to 20 concurrent sessions) with GRE Tunneling Option, also supports pass-through VPN connections (IPSec, L2TP, PPTP)

WEP, WPA, WPA2 and AES encryption for secure WiFi

Stateful Packet Inspection firewall and NAT (Network Address Translation) to prevent unwanted access to connected computers

Variety of security features (URL filtering, traffic filtering, DMZ, virtual server, port forwarding) for safer internet access.

VLAN support to isolate, segment and secure your network

Service, Support, and Warranty

Limited 1 Year Warranty* included featuring 5x12 technical support + access to software updates + hardware repair or replacement

Optional Enterprise Support Agreement available with 24/7 technical support + software updates and upgrades + advanced hardware exchange

SPECIFICATIONS

DATA IN: Wireless WAN modem, 10/100/1000 Ethernet Ports (cable/DSL/satellite modems), WiFi (as WAN) Wireless 3x3 MIMO "N" WiFi 2.5GHz or 5GHz (802.11 a/b/g/n)

DATA OUT: WiFi (802.11 a/b/g/n), Five 10/100/1000 Ethernet Ports (WAN/LAN Switchable)

TEMPERATURE: 0° to 40°C (32° to 104°F) Operating // -20° to 70°C (-4° to 158°F) Storage

RELATIVE HUMIDITY (non-condensing): 10% to 85%, Operating // 5% to 90%, Storage

SIZE: 9-in x [5.1 or 7.25 or 9.6]-in x 1.6-in (230-mm x [130 or 185 or 245]-mm x 40-mm)

CERTIFICATIONS: FCC, WiFi Alliance, 802.3, plus Carrier specific certifications

WHAT'S IN THE BOX [INTEGRATED MODELS]

MBR1400 with integrated business-class wireless WAN modem
(2) Ext. 3G/4G mobile broadband modem antennas; SMA w/multiplexing for GPS (some models)
(3) External high-gain WiFi antennas; Reverse SMA (2dBi, 2.4GHz)
12V / 1.5A power supply
Quick Start Guide with Warranty Information

REQUIREMENTS

Internet Service: Active Mobile Broadband w/cellular provider or Ethernet (DSL, Cable, T1)
Browser (to configure router): Min of Firefox v2.0, Internet Explorer v7.0, Chrome, or Safari v1.0

ROUTER DETAILS

WAN Security: NAT, SPI, ALG, inbound filtering of IP Addresses, Port Blocking, Service (port) Filtering (FTP, SMTP, HTTP, RPL, SNMP, DNS, ICMP, NNTP, POP3, SSH), Protocol filtering, WAN ping (allow/ignore)

Redundancy and Load Balancing: Failover/Failback with 4G/3G /Ethernet, Load Balancing, WAN Failure Detection

Intelligent Routing: UPnP, DMZ, Virtual Server/Port Forwarding, Routing Rules, NAT-less routing, Route Management, Content Filtering, Website Filtering, Local DHCP server, DHCP Client, DNS, DNS Proxy. ALGs: PPTP, L2TP, PPPoE pass-through, IPSec pass-through, FTP (passive), FTP (active), MAC Address Filtering, Dynamic DNS

Management: Remote WAN Web-based Management Access (HTTP, HTTPS), Web-based GUI (Easy Management), Server-based Centralized Management (WiPipe™ Central), SNMP v1, v2c & v3, CLI over SSH, One-button firmware upgrade, Modem Configuration and Management, Modem Data Usage and Alerts

Performance & Heath Monitoring: WiPipe™ QoS, with Traffic Shaping, SSID-based priority, WAN port speed control

VPN: (IPSec). Tunnel, NAT-T and Transport Modes. Device to CradlePoint, Cisco/Linksys, Linux system, Hash (MD5, SHA128, SHA256, SHA384, SHA512), Cipher (AES, 3DES, DES), Support for 20 concurrent connections, GRE tunneling, multiple networks supported in a single tunnel

*-One-year limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. This product requires either an active subscription from a wireless service provider or Ethernet-based broadband service from an Internet service provider to receive internet service. Check with your broadband provider for service coverage, fees, and other charges. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

ARC MBR1400 Series
INTEGRATED MOBILE BROADBAND ROUTER

BUSINESS-GRADE MODEM SPECIFICATIONS

MBR1400LE-VZ 4G LTE/EVDO for Verizon

Technology: LTE 3GPP Rel. 8 , EVDO RevA, A/O; CDMA 1x
Downlink Rates: LTE 100 Mbps, EVDO 3.1 Mbps (theoretical)
Uplink Rates: LTE 50 Mbps, EVDO 1.8 Mbps (theoretical)
Frequency Band: LTE Band 13 (700MHz) // Cellular/PCS (800MHz/1,900 MHz)
Power: LTE 23 +/- 1 dBm, EVDO 24 +/- 1dBm (typical conducted)
Module: Sierra Wireless MC7750
Antennas: Two SMA male (plug), 1 dBi (LTE), 2 dBi (Cellular/PCS) gain
Industry Standards & Certs: Modem Model MC200LE: Verizon; FCC Part 15, 22, 24 & 27; TIA/EIA/IS-2000, IS-95-B, 3GPP Rel 8
Modem Certification Model Number: MC200LE
Modem Certification Part Number: MC200LE-VZ

MBR1400W-SP 4G WiMAX for Sprint

Technology: WiMAX 802.16e Wave 2
Downlink Rates: 10Mbps peak, 6Mbps average
Uplink Rates: 5 Mbps peak, 1.2 Mbps average
Frequency Band: 2,500 MHz band
Power: 23.5 +/- 0.5 dBm (RSU/CPE)
Module: Beceem 250 chipset
Antennas: Two SMA male (plug), 5 dBi gain
Industry Standards & Certs: Modem Model MC100W: Sprint; FCC Part 15 subpart C
Modem Certification Model Number: MC100W
Modem Certification Part Number: MC100W

MBR1400E-VZ 3G EVDO for Verizon

Technology: EVDO RevA, A/O; CDMA 1x
Downlink Rates: 3.1 Mbps (theoretical)
Uplink Rates: 1.8 Mbps (theoretical)
Frequency Band: Cellular/PCS (800MHz/1,900 MHz)
Power: 24 +/- 0.5dBm (typical conducted)
Module: Sierra Wireless 5728v
Antennas: Two SMA male (plug), 2 dBi gain
Industry Standards & Certs: Modem Model MC100E: Verizon IOT; FCC Part 15, 22 & 24, CDG Stages 1,2; IS-2000IA-98D/E, IS-134, IS-637B, IS-683A, IS-707A, IS-856, IS-866; JESD22-A114-B, JESD22-C101
Modem Certification Model Number: MC100E
Modem Certification Part Number: MC100E-VZ

MBR1400E-SP 3G EVDO for Sprint

Technology: EVDO RevA, A/O; CDMA 1x
Downlink Rates: 3.1 Mbps (theoretical)
Uplink Rates: 1.8 Mbps (theoretical)
Frequency Band: Cellular/PCS (800MHz/1,900 MHz)
Power: 24 +/- 0.5dBm (typical conducted)
Module: Sierra Wireless 5728v
Antennas: Two SMA male (plug), 2 dBi gain
Industry Standards & Certs: Modem Model MC100E: Sprint; FCC Part 15, 22 & 24, CDG Stages 1,2; IS-2000IA-98D/E, IS-134, IS-637B, IS-683A, IS-707A, IS-856, IS-866; JESD22-A114-B, JESD22-C101
Modem Certification Model Number: MC100E
Modem Certification Part Number: MC100E-SP

Ordering information

MBR1400 Integrated Business Series Routers

ARC MBR1400LE-VZ
Business Series Router with dual-mode, high-performance 4G LTE / EVDO Wireless WAN connection for the Verizon Network, and 802.11 a/b/g/n

ARC MBR1400W-SP
Business Series Router with high-performance WiMAX Wireless WAN connection for the Sprint Network, and 802.11 a/b/g/n

ARC MBR1400E-VZ
Business Series Router with high-performance EVDO Wireless WAN connection for the Verizon Network, and 802.11 a/b/g/n

ARC MBR1400E-SP
Business Series Router with high-performance EVDO Wireless WAN connection for the Sprint Network, and 802.11 a/b/g/n